

WHAT IS CLAIMED IS:

1. An isolated polynucleotide comprising a member selected from the group consisting of:
 - (a) a polynucleotide encoding the polypeptide as set forth in SEQ ID NO:2;
 - (b) a polynucleotide capable of hybridizing to and which is at least 70% identical to the polynucleotide of (a); and
 - (c) a polynucleotide fragment of the polynucleotide of (a) or (b).
2. The polynucleotide of Claim 1 wherein the polynucleotide is DNA.
3. The polynucleotide of Claim 2 which encodes the polypeptide as set forth in SEQ ID NO:2.
4. The polynucleotide of Claim 2 which encodes the polypeptide as set forth in SEQ ID NO:2.
5. The polynucleotide of Claim 2 which encodes the polypeptide as set forth in SEQ ID NO:2.
6. An isolated polynucleotide comprising a member selected from the group consisting of:
 - (a) a polynucleotide which encodes a mature polypeptide encoded by the DNA contained in the deposited clone;
 - (b) a polynucleotide which encodes a polypeptide expressed by the DNA contained in the deposited clone;
 - (c) a polynucleotide capable of hybridizing to and which is at least 70% identical to the polynucleotide of (a) or (b); and
 - (d) a polynucleotide fragment of the polynucleotide of (a), (b) or (c).

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7. A vector containing the DNA of Claim 2.
 8. A host cell genetically engineered with the vector of Claim 7.
 9. A process for producing a polypeptide comprising: expressing from the host cell of Claim 8 the polypeptide encoded by said DNA.
 10. A process for producing cells capable of expressing a polypeptide comprising transforming or transfecting the cells with the vector of Claim 7.
 11. A polypeptide selected from the group consisting of (i) a polypeptide having the deduced amino acid sequence of SEQ ID NO:2 and fragments, analogs and derivatives thereof; (ii) a polypeptide comprising amino acid 1 to amino acid 221 of SEQ ID NO:2; and (iii) a polypeptide encoded by the cDNA of the deposited clone and fragments, analogs and derivatives of said polypeptide.
 12. A compound effective as an agonist for the polypeptide of claim 11.
 13. A compound effective as an antagonist against the polypeptide of claim 11.
 14. A method for the treatment of a patient having need of PGSG-1 comprising: administering to the patient a therapeutically effective amount of the polypeptide of claim 11.
 15. The method of Claim 14 wherein said therapeutically effective amount of the polypeptide is

presence or absence of a signal generated from the
interaction of the compound with the receptor.

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